

# KATE ARMSTRONG

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(updated October 2024)

## EDUCATION

- Ph.D. 2010, Botany, Royal Botanic Garden Edinburgh & University of Edinburgh, Scotland  
Dissertation: Systematics and biogeography of the pantropical genus *Manilkara* (Sapotaceae)  
Advisor: James Richardson Co-Advisors: Graham Stone & Richard Milne
- M.Sc. 2002, Biodiversity & Taxonomy of Plants  
Royal Botanic Garden Edinburgh & University of Edinburgh, Scotland  
Thesis: *Codonopsis*: a revision of the Nepalese species and investigation of generic limits  
Advisor: Mark Watson
- B.Sc. 1998, Ethnobotany, University of Vermont, Burlington, Vermont, U.S.A.  
Cornell Nepal Study Programme, 1996, Tribhuvan University, Kirtipur, Kathmandu, Nepal  
Project: A survey of medicinal plants used in Tibetan medicine in Sagarmatha National Park

## EMPLOYMENT & RESEARCH EXPERIENCE

- 12/2020–present *Adjunct Professor*, City University of New York, Doctoral Faculty of The Graduate School and University Center's Ph.D. Program in Biology
- 7/2018–present *Assistant Curator*, Institute of Systematic Botany, New York Botanical Garden
- 4/2014–1/2023 *Myanmar Program Coordinator*, Institute of Systematic Botany, New York Botanical Garden
- 5/2012–3/2014 *Postdoctoral Fellow*, Cullman Program for Molecular Systematic Studies, New York Botanical Garden
- 10/2011–4/2012 *Floristic Researcher*, Great Himalaya Trail Project, Royal Botanic Garden Edinburgh
- 3–9/2011 *Research Fellow*, Sibbald Trust, Royal Botanic Garden Edinburgh
- 2007–2011 *Assistant to the Nomenclature Editor*, TAXON, Journal of the International Association for Plant Taxonomy
- 2005–2006 *Research Assistant*, Botanical Inventory of Loango National Park, Gabon, Royal Botanic Garden Edinburgh
- 2004–2006 *Botanical Trainer*, Darwin Initiative Project: Taxonomic Training in a Neglected Biodiversity Hotspot in Lao P.D.R., Royal Botanic Garden Edinburgh
- 2003–2004 *Research Assistant*, Prometheus II Project, Royal Botanic Garden Edinburgh
- 10/1999–8/2001 *Project Coordinator*, High Altitude Herbal Medicine Initiative, Tengboche Development Project, Sagarmatha National Park, Solu-Khumbu, Nepal
- 8/1999 *Botanist*, Project Dengke, Share and Care Foundation, Luoxu Nature Reserve, Ganzi Tibetan Autonomous Prefecture (Xizang), China
- 9/1998–4/1999 *Research Assistant*, Awa Ethnobotany Project, Institute of Economic Botany, New York Botanical Garden

- 5–8/1998 *Intern*, Medicinal Plants of the Middle East Project, Institute of Economic Botany, New York Botanical Garden
- 9/1997–4/1998 *Curatorial Assistant*, Pringle Herbarium, University of Vermont

### GRANTS & FELLOWSHIPS

- Amazon Research Awards. *VERDEX: remote sensing of plant biodiversity*. D.P. Little & K. Armstrong. March 2024. \$50,000 + \$40,000.
- National Science Foundation, (DBI-2100755): *Digitization TCN: Collaborative Research: Bringing Asia to digital life: mobilizing underrepresented Asian herbarium collections in the US to propel biodiversity discovery*. M. Pace & K. Armstrong July 20, 2021- August 31, 2025. \$629,237.
- Microsoft AI for Earth. *Sólarsteinn: an AI for mobilizing geographic data from natural history collections*. D.P. Little, K. Armstrong & T. Clabby. 2021. \$15,000.
- National Science Foundation, (DEB-1457702): *Floristic inventory and capacity-building in a neglected biodiversity hotspot: Myanmar's Northern Forest Complex*. May 1, 2015 – Sept. 17, 2021. \$675,000.
- Leona M. & Harry B. Helmsley Charitable Trust, *Establishment of a Plant Conservation and Forest Resource Management Program in Myanmar*. October 1, 2015 - September 30, 2019. \$688,208, and a bridge for an additional \$200,000. Total = \$888,208.
- Leona M. & Harry B. Helmsley Charitable Trust, *Laying the groundwork for plant conservation and capacity-building in Myanmar*. April 1, 2014 – March 31, 2015, \$200,000.
- Sibbald Trust Fellowship from the Royal Botanic Garden Edinburgh, 2011, for taxonomic revision of Asian-Pacific *Manilkara* (Sapotaceae)
- Carnegie Research Grant from the Carnegie Trust 2008 (£2,500), travel grant for Ph.D. field research in Indonesia
- Monica Cole Research Grant from the Royal Geographical Society 2008 (£1,000), travel grant for Ph.D. field research in Indonesia
- Davis Expedition Fund from the University of Edinburgh 2008 (£2,650), travel grant for Ph.D. field research in Indonesia
- Systematics Research Fund from the Systematics Association 2008 (£1,000), travel grant for Ph.D. field research in Indonesia
- James Rennie Bequest from the University of Edinburgh, 2007 (£500), travel grant for Ph.D. field research in Indonesia
- Royal Scottish Geographical Society, 2007 (£275), travel grant for Ph.D. field research in Indonesia
- Torrance Bequest from the University of Edinburgh, 2006- 2009 (£37,000) Ph.D. scholarship
- SYNTHESYS – Synthesis of Systematic Resources Grant, 2005 (£2,500), travel grant for visiting the Wageningen herbarium (Netherlands) to identify specimens collected in Gabon
- Davis Expedition Fund from the University of Edinburgh, 2004 (£2,500), travel grant for field research in Myanmar
- Carnegie Research Grant from the Carnegie Trust, 2004 (£750), travel grant for field research in Myanmar
- Global Green Grants, 2000 (\$3,000), grant to develop a high-altitude medicinal plant nursery in the Mt. Everest region of Nepal
- Himalayan Fair, 2000 (\$1,000), grant to develop a high-altitude medicinal plant nursery in the Mt. Everest region of Nepal

### AWARDS

- Royal Botanic Garden Edinburgh, 2001. M.Sc. Award for Distinction on Thesis
- University of Vermont, 1998, Undergraduate Award for Outstanding Achievement in Botany

## PEER REVIEWED PUBLICATIONS

- Utteridge, T.M.A., Aung, M.M., Wheatcroft, H., Plummer, J. & **Armstrong K.E.** *Mappianthus kachinensis* (Icacinaceae), a new woody climber from Kachin State, Myanmar. Submitted to *Thai Forest Bulletin*, November 2024.
- Clark, R.P., Nwe, T.Y., & **Armstrong, K. E.** A new species (*Phanera htamanthiensis*, Leguminosae-Cercidoideae) and specimen-verified checklist of *Phanera* in Myanmar. submitted to *Kew Bulletin – Taxonomic Novelties*, September 2024.
- Rodda, M., Poopath, M., **Armstrong, K.**, & Klackenberg, J. 2024. Apocynaceae of continental Southeast Asia: new species, new records and new combinations. *Thai Forest Bull. Bot.* 52(1): 5–20. DOI <https://doi.org/10.20531/tfb.2024.52.1.02>
- Floden, A, Nwe, T.Y. & **Armstrong, K.E.** 2023. A new *Polygonatum*, *P. bifolium* species (Asparagaceae: Nolinoideae: Polygonateae) from Myanmar and a checklist of the species known to occur there. *Novon* 31:169-177. doi: 10.3417/2023833
- Nagahama, A., Sugawara, T., Aung, M.M., Poulsen, A., **Armstrong, K.E.** & Tanaka, N. 2023. Contributions to the Flora of Myanmar IX: five new distributional records of flowering plants from Chin State, Tanintharyi Region, and Kachin State. *Bulletin of the National Museum of Nature and Science Series B* 49(2): 49–55; doi: 10.50826/bnmnsbot.49.2\_49
- Fritsch, P.W., **Armstrong, K.E.**, Aung, M.M. & Lu, L. 2023. *Gaultheria* (Ericaceae) of Myanmar: an updated species list for the country, a new species, and a new species combination. *Phytotaxa* Published online 3 May 2023. doi.org/10.11646/phytotaxa.595.1.3
- Randriarisoa, A., Naciri, Y., **Armstrong, K.E.**, Boluda, C., Daffreville, S. & Gautier, L. 2022. A genus sinks, another one emerges: Generic circumscription within subtribe Manilkarinae (Sapotaceae). *Taxon*. Published online 31 December 2022. <https://doi.org/10.1002/tax.12863>
- Ling, T.C., Inta, A., **Armstrong, K.E.**, Little, D.P., Tiansawat, P., Yang, Y.P., Phokasem, P., Tuang, Z.K., Sinpoo, C., & Disayathanoowat, T. 2022. Traditional Knowledge of Textile Dyeing Plants: A Case Study in the Chin Ethnic Group of Western Myanmar. *Diversity*. 14(12), 1065; <https://doi.org/10.3390/d14121065>
- Wood, J.R.I., Nwe, T.Y. & **Armstrong K.E.** 2022. Two new species of *Staurogyne* (Acanthaceae) from northern Myanmar. *Kew Bulletin*. Published online 10 August 2022. doi:10.1007/S12225-022-10042-3
- Low, Y.W., Rajaraman, S, Tomlin, C.M., Ahmad, J.A., Ardi, W.H., **Armstrong, K.**, Athen, P., Berhaman, A., Bone. R.E., Cheek, M., Cho, N.R.W., Choo, L.M., Cowie, I.D., Crayn, D., Fleck, S., Ford, A.J., Forster, P.I., Girmansyah, D., Goyder, D.J., Gray, B., Heatubun, C.D., Ibrahim, A., Ibrahim, B., Jayasinghe, H.D., Kalat, M.A, Kathriarachchi, H.S., Kintamani, E., Koh, S.L., Lai, J.T.K., Lee, S.M.L., Leong, P.K.F., Lim, W.H., Lum, S.K.Y., Mahyuni, R., McDonald, W.J.F., Metali, F., Mustaqim, W.A., Naiki, A., Ngo, K.M., Niissalo, M., Ranasinghe, S., Repin, R., Rustiami, H., Simbiak, V.I., Sukri, R.S., Sunarti, S., Trethowan, L.A., Trias-Blasi, A., Vasconcelos, T.N.C., Wanma, J.F., Widodo, P., Wijesundara, D.S.A., Worboys, S., Yap, J.W., Yong, K.T., Khew, G.S.W., Salojarvi, J., Michael, T.P., Middleton, D.J., Burslem, D.F.R.P., Lindqvist, C., Lucas, E.J., Albert, V.A.. 2022. Genomic insights into rapid speciation within the world’s largest tree genus. *Nature Communications* Published online 12 September 2022. <https://doi.org/10.1038/s41467-022-32637-x>
- Tanaka, N., Ohi-Toma, T, Suksathan, P., Aung, M. M., Poulsen, A.D. & **Armstrong, K.E.** 2022. *Myanmaranthus roseoflorus*, A new genus and species of Marantaceae from Myanmar. *Journal of Japanese Botany* 97(4): 187–196.
- Wood, J.R.I., Aung M. M., Wells, T. & **Armstrong K.** 2022. *Strobilanthes* Blume (Acanthaceae) in Myanmar, a new species and an updated checklist. *Kew Bulletin* Published online 15 June 2022. doi: 10.1007/S12225-022-10033-4.
- Sweeney, P.W., Nwe, T.Y. & **Armstrong K. E.** 2022. *Garcinia yaatapsap* (Clusiaceae), a new species from northern Myanmar. *Phytotaxa* 545 (2): 121–127. doi.org/10.11646/phytotaxa.545.2.1

- Tong, Y.H., Fritsch, P., Tan, Y.H., Aung, M.M., Yang, B., & **Armstrong, K.** 2022. Novelities in Myanmar *Agapetes* (Ericaceae) with an updated checklist of species from the country. *Nordic Journal of Botany*. Published online 4 March 2022. doi: 10.1111/njb.034961–14
- Bartholomew, B., **Armstrong K.E.**, Rong, L. & Fritsch, P.W. 2021. *Perrotettia taronensis* B.M.Barthol. & K.Armstr., sp. nov. (Dipentodontaceae), a new species from northwestern Yunnan Province, China and northern Kachin State, Myanmar and a re-examination of the Asian and Australasian taxa of *Perrotettia*. *PhytoKeys*.183: 67–76. doi:10.3897/phytokeys.183.71505
- Murray, N.J., Keith, D. A., Duncan, A., Tizard, R., Ferrer-Paris, J., Worthington, T.A., **Armstrong, K.**, Hlaing, N., Htut, W.T., Oo, A.H., Ya, K.Z. & Grantham, H. 2020. Myanmar's terrestrial ecosystems: status, threats and conservation opportunities. *Biological Conservation* vol. 252, December 2020. doi.org/10.1016/j.biocon.2020.108834
- Henderson, A., Aung, M. M. & **Armstrong, K.** 2020. A remarkable new *Iguanura* (Arecaceae, Arecoideae, Areceae) from northern Myanmar. *Phytotaxa* 446:1. doi.org/10.11646/phytotaxa.446.1.10
- Tanaka, N., **Armstrong K.** & Aung, M.M. 2020. Taxonomic studies on Zingiberaceae of Myanmar II: *Curcuma stolonifera* (Subgenus *Eucomate*), a new species from the northwestern region. *Brittonia* DOI 10.1007/s12228-020-09619-8.
- Middleton, D.J., **Armstrong, K.E.**, Aung, M.M., Baba, Y., Balslev, H., Chayamarit, K., Chung, R.C.K., Conn, B.J., Fernando, E.S., Fujikawa, K., Kiew, R., Luu, H.T., Newman, M.F., Nobuyuki, T., Tagane, S., Thomas, D., Utteridge, T.M.A., van Welzen, P. Tran, T.B., Widyatmoko, D., Yahara, T. & Wong, K.M. 2019. Progress on Southeast Asia's Flora Projects. *Garden's Bulletin Singapore* 71(2): 1-52. doi: 10.26492/gbs71(2).2019-01
- Henderson, A. & **Armstrong, K.** 2019. Photo Feature: *Trachycarpus* in Myanmar. *Palms* 63(4) 179-181.
- Hughes, M., Aung, M. M. & **Armstrong, K.E.** 2019. An updated checklist and new species of *Begonia* (*B. rheophytica*) from Myanmar. *Edinburgh Journal of Botany* 76(2): 285-295. doi.org/10.1017/S0960428619000052
- Rodda, M., Aung, M. M. & **Armstrong, K.E.** 2019. A new species, a new subspecies, and new records of *Hoya* (Apocynaceae, Asclepiadoideae) from Myanmar and China. *Brittonia*. DOI 10.1007/s12228-019-09575-y
- Armstrong, K.E.**, Stone, G.N., Nicholls, J.A., Valderrama, E., Anderberg, A.A., Smedmark, J., Gautier, L., Naciri, Y., Milne, R. and Richardson, J.E. 2014. Patterns of diversification amongst tropical regions compared: a case study in Sapotaceae. *Frontiers in Genetics*. 5:362.
- Richardson, J.E., Bakar, A.M., Tosh, J., **Armstrong, K.E.**, Smedmark, J. Anderberg, A. Slik, F. & Wilkie, P. 2014. The influence of tectonics, sea-level changes and dispersal on migration and diversification of *Isonandreae* (Sapotaceae). *Botanical Journal of the Linnean Society* 174(1) 130-140.
- Armstrong, K.E.** 2013. A revision of the Asian-Pacific species of *Manilkara* (Sapotaceae). *Edinburgh Journal of Botany*. 70 (1) 7-56.
- Harris D.J., **Armstrong, K.E.**, Walters, G.M., Wilks, C., Mouandza Mbembo, J.-C., Niangadouma, R., Wieringa, J.J., & Breteler, F.J. 2012. Phytogeographical analysis and checklist of the vascular plants of Loango National Park, Gabon. *Plant Ecology and Evolution* 145(5): 242-257.
- Sosef, M.S.M., Harris, D. J., & **Armstrong, K.E.** 2007. Novitates Gabonenses 64. A new species of *Campylospermum* (Ochnaceae) from coastal Gabon. *Blumea* 52(1): 15-19.
- Pullan, M., **Armstrong, K.**, Paterson, T., Cannon, A., Kennedy, J., Watson, M., McDonald, S., & Raguenaud, C. 2005. The Prometheus Description Model: An examination of the taxonomic description-building process and its representation. *Taxon* 54(3): 751-765.
- Paterson, T., Kennedy, J.B., Pullan, M.R., Cannon, A., **Armstrong, K.**, Watson, M.F., Raguenaud, C., McDonald, S., & Russell, G. 2004. A universal character model and ontology of defined terms for taxonomic description. *Data Integration in the Life Sciences; Lecture Notes in Bioinformatics* 2994: 63-78.

## BOOKS & BOOK CHAPTERS

- Murray, N.J. Grantham, H. Keith D & **Armstrong K.E.** *Alpine cliffs and scree* (pp 239-242) in Murray, N.J., Keith, D.A., Tizard, R., Duncan, A., Htut, W.T., Hlaing, N., Oo, A.H., Ya, K.Z., Grantham, H. (2020) *Threatened Ecosystems of Myanmar: An IUCN Red List of Ecosystems Assessment. Version 1.0.* Wildlife Conservation Society. ISBN: 978-0-9903852-5-7. DOI: 10.19121/2019.Report.37457.
- Armstrong, K.E.**, Grantham, H. Tizard, R., Murray N.J. & Keith D.A. *Alpine herbfield* (pp 247-250) in Murray, N.J., Keith, D.A., Tizard, R., Duncan, A., Htut, W.T., Hlaing, N., Oo, A.H., Ya, K.Z., Grantham, H. (2020) *Threatened Ecosystems of Myanmar: An IUCN Red List of Ecosystems Assessment. Version 1.0.* Wildlife Conservation Society. ISBN: 978-0-9903852-5-7. DOI: 10.19121/2019.Report.37457.
- Armstrong, K.E.**, Grantham, H., Murray, N.J. & Keith, D. A. *High mountain scrub* (pp 243-246) in Murray, N.J., Keith, D.A., Tizard, R., Duncan, A., Htut, W.T., Hlaing, N., Oo, A.H., Ya, K.Z., Grantham, H. (2020) *Threatened Ecosystems of Myanmar: An IUCN Red List of Ecosystems Assessment. Version 1.0.* Wildlife Conservation Society. ISBN: 978-0-9903852-5-7. DOI: 10.19121/2019.Report.37457.
- Armstrong, K.E.**, Grantham, H. & Keith D.A. *Kachin mountain conifer forest* (pp 158-161) in Murray, N.J., Keith, D.A., Tizard, R., Duncan, A., Htut, W.T., Hlaing, N., Oo, A.H., Ya, K.Z., Grantham, H. (2020) *Threatened Ecosystems of Myanmar: An IUCN Red List of Ecosystems Assessment. Version 1.0.* Wildlife Conservation Society. ISBN: 978-0-9903852-5-7. DOI: 10.19121/2019.Report.37457.
- Armstrong, K.E.**, Grantham, H., Murray, N.J. & Keith D.A. *Kachin montane temperate broadleaf forest* (pp 183-187) in Murray, N.J., Keith, D.A., Tizard, R., Duncan, A., Htut, W.T., Hlaing, N., Oo, A.H., Ya, K.Z., Grantham, H. (2020) *Threatened Ecosystems of Myanmar: An IUCN Red List of Ecosystems Assessment. Version 1.0.* Wildlife Conservation Society. ISBN: 978-0-9903852-5-7. DOI: 10.19121/2019.Report.37457.
- Armstrong, K.E.**, Grantham, H. & Keith, D.A. *Kachin warm temperate rainforest* (pp 174-178) in Murray, N.J., Keith, D.A., Tizard, R., Duncan, A., Htut, W.T., Hlaing, N., Oo, A.H., Ya, K.Z., Grantham, H. (2020) *Threatened Ecosystems of Myanmar: An IUCN Red List of Ecosystems Assessment. Version 1.0.* Wildlife Conservation Society. ISBN: 978-0-9903852-5-7. DOI: 10.19121/2019.Report.37457.
- Armstrong, K.E.**, Tizard, R. & Grantham, H. *Kachin-Sagaing low elevation evergreen subtropical rainforest* (pp 77-82) in Murray, N.J., Keith, D.A., Tizard, R., Duncan, A., Htut, W.T., Hlaing, N., Oo, A.H., Ya, K.Z., Grantham, H. (2020) *Threatened Ecosystems of Myanmar: An IUCN Red List of Ecosystems Assessment. Version 1.0.* Wildlife Conservation Society. ISBN: 978-0-9903852-5-7. DOI: 10.19121/2019.Report.37457.
- Armstrong, K.E.**, Tizard, R. & Grantham, H. *Kachin-Sagaing mid elevation subtropical rainforest* (pp 83-88) in Murray, N.J., Keith, D.A., Tizard, R., Duncan, A., Htut, W.T., Hlaing, N., Oo, A.H., Ya, K.Z., Grantham, H. (2020) *Threatened Ecosystems of Myanmar: An IUCN Red List of Ecosystems Assessment. Version 1.0.* Wildlife Conservation Society. ISBN: 978-0-9903852-5-7. DOI: 10.19121/2019.Report.37457.
- Armstrong, K.E.** Tizard, R. & Grantham, H. *Kachin Hills subtropical rainforest* (pp 89-93) in Murray, N.J., Keith, D.A., Tizard, R., Duncan, A., Htut, W.T., Hlaing, N., Oo, A.H., Ya, K.Z., Grantham, H. (2020) *Threatened Ecosystems of Myanmar: An IUCN Red List of Ecosystems Assessment. Version 1.0.* Wildlife Conservation Society. ISBN: 978-0-9903852-5-7. DOI: 10.19121/2019.Report.37457.
- Murray, N.J. Grantham, H., Tizard, R., Keith D & **Armstrong K.E.** *Sagaing warm temperate rainforest* (pp 170-173) in Murray, N.J., Keith, D.A., Tizard, R., Duncan, A., Htut, W.T., Hlaing, N., Oo, A.H., Ya, K.Z., Grantham, H. (2020) *Threatened Ecosystems of Myanmar: An IUCN Red List of Ecosystems Assessment. Version 1.0.* Wildlife Conservation Society. ISBN: 978-0-9903852-5-7. DOI: 10.19121/2019.Report.37457.

- Armstrong, K.E.** 2011. Systematics and biogeography of the pantropical genus *Manilkara* Adans. (Sapotaceae). Ph.D. dissertation, University of Edinburgh, Edinburgh. [available at: <http://www.era.lib.ed.ac.uk/handle/1842/4871>]
- Newman, M., Ketphanh, S., Svengsuksa, B., Thomas, P. Sengdala, K., Lamxay, V., & **Armstrong, K.** 2007. A checklist of the vascular plants of Lao PDR. Royal Botanic Garden Edinburgh, Edinburgh.
- Armstrong, K.** Svengsuksa, B., & Hul, S. 2006. A glossary of French, Lao and English botanical terms. Royal Botanic Garden Edinburgh, Edinburgh.
- Armstrong, K.E.** *Codonopsis* (Campanulaceae). In: The Flora of Nepal. Royal Botanic Garden Edinburgh. [Submitted, 2002]

#### ELECTRONIC & OTHER MEDIA

- Jones, L. & **Armstrong, K.** 2019. *Myanmar mystery solved*. NYBG Hand Lens post: <http://sweetgum.nybg.org/science/the-hand-lens/explore/narratives-details/?irn=7410>
- Armstrong, K.** & L. Jones 2019. *From 1920's adventure narrative to new species – a new Begonia from Myanmar*. NYBG Hand Lens post: <http://sweetgum.nybg.org/science/the-hand-lens/explore/narratives-details/?irn=7281>
- King, S. 2019. *The first steps towards the Flora of Myanmar* in the Royal Botanic Garden Edinburgh's blog: Botanic Stories. <https://stories.rbge.org.uk/archives/31297>
- Olander, S.B. & **Armstrong, K.E.** 2019. IUCN RedList assessments for 14 species of *Manilkara* (Sapotaceae) [<https://www.iucnredlist.org>]. (Submitted).
- Little, D. & **Armstrong K.** 2016. *Myanmar by the Numbers* in the New York Botanic Garden blog: Science Talk - exploring the science of plants, from the field to the lab. <https://www.nybg.org/blogs/science-talk/2016/01/myanmar-by-the-numbers/>
- Swanson, S. & **Armstrong K.** 2016. *Forest Primeval: Trekking Through Myanmar's Northern Forest Complex* in the New York Botanic Garden blog: Science Talk - exploring the science of plants, from the field to the lab. <https://www.nybg.org/blogs/science-talk/2016/04/forest-primeval-trekking-through-myanmars-northern-forest-complex/>
- Harris, D.J., Moutsamboté, J.M., **Armstrong, K.E.**, Kami, E., Mouandza, J.C., Niangadouma, R., Walters, G., & Wortley, A.H. 2009. *Plantes d'Afrique Centrale: la collections de référence en images*. Royal Botanic Garden Edinburgh. ISBN 978-1-90612924-8.
- Wilkie, P., Pullan, M., Richardson, J., **Armstrong, K.E.**, Buendia, J., Culverhouse, F., Elliott, A., Fabriani, F., Kumarage, L., Mackinder, B., Purvis, D., Olander, S., Woods, E. 2008-. Sapotaceae Resource Centre. [available at: <http://padme.rbge.org.uk/sapotaceae>].

#### BOOK REVIEW

- Armstrong, K.E.** 2004. *A Checklist of the Trees, Shrubs, Herbs, and Climbers of Myanmar*. W. John Kress, Robert A. DeFilipps, Ellen Farr & Daw Yin Yin Kyi. Washington, DC: Smithsonian Institution. *Contributions from the United States National Herbarium, Vol. 45*. 2003. 590pp. ISSN 0097 1618. *Edinburgh Journal of Botany* 61(2-3):197 – 198 DOI: 10.1017/S0960428605270270

#### INVITED TALKS

- Documenting and describing the flora of northern Myanmar & beyond*. NYBG Science webinar, October 2, 2024.
- NYBG Asia-Pacific Research & Collections: NY's Other Great Strength*. Co-presented with Matthew Pace, Han Wang and Hannah Wheeler. NYBG Science seminar, September 5, 2024.
- Documenting and describing the flora of northern Myanmar & beyond*. NYBG Science seminar, June 20, 2024.
- Documenting and describing the flora of northern Myanmar & beyond: a broad overview of the Asia Program at NYBG*. Korea Research Institute of Bioscience and Biotechnology, Daejeon, South Korea. May 2, 2024.
- Documenting and describing the flora of northern Myanmar*. Vin University, Hanoi, Vietnam. April 9, 2024.

- The William & Lynda Steere Herbarium at the New York Botanical Garden – A Virtual Visit.* Harvard Business School Club of New York. January 14, 2021. Presented jointly with Matthew Pace.
- New York Botanical Garden Myanmar Program 2018-19 Research Overview*, Forest Department, Ministry of Natural Resources and Environmental Conservation, Nay Pyi Taw, Myanmar, February 26, 2019.
- New York Botanical Garden Myanmar Program 2017-18 Research Overview*, Forest Department, Ministry of Natural Resources and Environmental Conservation, Nay Pyi Taw, Myanmar, March 6, 2018.
- Mapping Botanical Diversity in the Hkakaborazi-Hponganrazi Landscape.* UNESCO Scientific Research Workshop on Biodiversity in the Northern Mountain Forest Complex. Nay Pyi Taw, Myanmar. December 6-8, 2017.
- Floristic Inventory & Capacity Building in Myanmar's Northern Forest Complex.* First Flora of Myanmar Meeting. Forest Research Institute, Yezin, Myanmar. December 4, 2017.
- Floristic Inventory & Capacity Building in Myanmar's Northern Forest Complex.* NYBG Plant Research and Conservation Advisory Council meeting, New York, New York. October 12, 2017.
- Integrated botanical research in the old-world tropics: examples from Sapotaceae systematics and Myanmar floristics*, Missouri Botanical Garden, September 5, 2017.
- Signing ceremony for Memorandum of Understanding between the New York Botanical Garden and the Myanmar Forest Department Forest Department*, Nay Pyi Taw, Myanmar. May 23, 2017.
- The New York Botanical Garden's collaborative research program in Myanmar.* Forest Department, Ministry of Natural Resources and Environmental Conservation, Nay Pyi Taw, Myanmar. June 16, 2016.
- Botanical Diversity in the Hkakaborazi-Hponganrazi Landscape.* UNESCO Scientific Research Workshop on Biodiversity in the Northern Mountain Forest Complex. Yangon, Myanmar, June 6-8, 2016.
- Laying the groundwork for plant conservation and forest resource management in Myanmar, 2016 update* (with Charles Peters). Helmsley Charitable Trust, Myanmar grantees meeting. Yangon, Myanmar. January 28-30, 2016.
- NYBG Scientists in Myanmar, Tackling 21<sup>st</sup> century Challenges* (with Charles Peters & Doug Daly). Andrew Carnegie Distinguished Lecture. Christie's New York, New York, January 12, 2016.
- Documenting Myanmar's flora through botanical exploration, data collection, dissemination & training.* Coordinated the meeting *Encouraging Botanical Research for Biodiversity Conservation in Myanmar* for twenty government, university and NGO collaborators from nine different institutions, and presented talk. Nay Pyi Taw, Myanmar. March 12, 2015.
- Laying the groundwork for plant conservation and forest resource management in Myanmar* (with Charles Peters). Helmsley Charitable Trust Myanmar grantees meeting, Yangon, Myanmar, October 4-5, 2014.
- Documenting Myanmar's flora through botanical exploration, data collection, dissemination & training.* Forest Research Institute, Yezin, Myanmar, May 8, 2014.
- Systematics and biogeography of the pantropical genus Manilkara (Sapotaceae).* Linnean Society, Conversazione, London, England 2009. [poster]

## PRESENTATIONS

- Armstrong, K.E.** *Steps towards documenting the flora of Myanmar.* Part of the Colloquium: The Contribution of Regional Flora Projects to the Global Strategy for Plant Conservation. Botany2021-Virtual. July 23, 2021. [talk]
- Randriarisoa, A.R., Naciri, Y., Boluda, C., Dafreville, S., **Armstrong, K.** & Gautier, L. *Generic circumscription, species delimitation and conservation in a related group of Western Indian Ocean Sapotaceae: Faucherea Lecomte, Labourdonnaisia Bojer, & Labramia A.DC.* Association for the Taxonomic Study of the Flora of Tropical Africa Meeting, Zambia, March 2020 [poster]

- Armstrong, K.E.** & Aung, M. M. *Floristic Inventory and Capacity Building in Myanmar's Northern Forest Complex (2017-2021)* Forest Research Institute, Yezin, Nay Pyi Taw, Myanmar, December 16, 2020. [poster]
- Armstrong, K.E.**, Stone, G.N., Milne, R. & Richardson, J.E. *Systematics and taxonomy of the tribe Mimusopeae and subtribe Manilkarinae*. 3<sup>rd</sup> International Meeting of Sapotaceae Researchers, Reserva Duke, Manaus, Brazil 2011 [talk]
- Armstrong, K.E.**, Stone, G.N., Milne, R. & Richardson, J.E. *Biogeography of the pantropical genus Manilkara*. 3<sup>rd</sup> International Meeting of Sapotaceae Researchers, Reserva Duke, Manaus, Brazil 2011 [talk]
- Armstrong, K.E.**, Stone, G.N., Milne, R. & Richardson, J.E. *Systematics and biogeography of the pantropical genus Manilkara (Sapotaceae): A Malesian perspective*. Southeast Asian Gateway Evolution Meeting, London, England 2009 [poster].
- Armstrong, K.E.**, Stone, G.N., Milne, R. & Richardson, J.E. *Systematics and biogeography of the pantropical genus Manilkara (Sapotaceae)*. University of Edinburgh, 3<sup>rd</sup> year PhD Conference, Edinburgh, Scotland 2009. [talk]
- Armstrong, K.E.**, Stone, G.N., Milne, R. & Richardson, J.E. *Systematics and biogeography of the pantropical genus Manilkara (Sapotaceae)*. 2<sup>nd</sup> International Meeting of Sapotaceae Researchers, Geneva, Switzerland 2008. [talk]
- Armstrong, K.E.**, Stone, G.N., Milne, R. & Richardson, J.E. *Systematics and biogeography of the pantropical genus Manilkara (Sapotaceae)*. University of Edinburgh 2<sup>nd</sup> year PhD poster session, Edinburgh, Scotland 2008. [poster]
- Armstrong, K.E.**, Stone, G.N., Milne, R. & Richardson, J.E. *Systematics and biogeography of the pantropical genus Manilkara (Sapotaceae)*. 6<sup>th</sup> Biennial Systematics Association Conference, Edinburgh, Scotland 2007. [poster]
- Armstrong, K.E.**, Richardson, J.E., Milne, R. & Clayton, J. *Systematics and biogeography of the pantropical genus Manilkara (Sapotaceae): A Malesian perspective*. 7<sup>th</sup> International Flora Malesiana Symposium, Leiden, Netherlands 2007. [poster]
- Armstrong, K.E.**, Richardson, J.E., Milne, R. & Clayton, J. *Systematics and biogeography of the pantropical genus Manilkara (Sapotaceae)*. 3<sup>rd</sup> Biennial International Biogeography Society Conference, Tenerife, Spain 2007. [poster]
- Armstrong, K.E.** *Cultivation of high-altitude herbs in Sagarmatha National Park for use in traditional Tibetan medicine*. Conservation of Medicinal & Aromatic Plants in South Asia Meeting, Pokhara, Nepal 2001. [poster]
- Armstrong, K.E.** *High-altitude plants used in traditional Tibetan medicine in Sagarmatha National Park*. Conservation & Utilization of Himalayan Medicinal Resources Symposium, Kathmandu, Nepal 2000. [poster]

#### BOTANICAL FIELDWORK

Vietnam, Kon Tum, Pu Mat NP, Xuan Son NP, Hoang Lien NP, April 10 – 28, 2024  
 Myanmar, Htamanthi Wildlife Sanctuary, Sagaing Region, March 3 – April 4, 2019  
 Myanmar, Hponganrazi Wildlife Sanctuary, Kachin State, April 20 – May 22, 2018  
 Myanmar, Htamanthi Wildlife Sanctuary, Sagaing Region, March 8 – April 10, 2018  
 Myanmar, Hkakaborazi National Park, Kachin State, May 28 – June 20, 2017  
 Myanmar, Htamanthi Wildlife Sanctuary, Sagaing Region, March 8 – April 10, 2017  
 Myanmar, Layshi, Naga Hills & Naung Hkio, Shan State, November 7 – December 2, 2017  
 Myanmar, Hponganrazi Wildlife Sanctuary, Kachin State, October 2 – November 27, 2016  
 Myanmar, Htamanthi Wildlife Sanctuary, Sagaing Region, September 5 – October 1, 2016  
 Myanmar, Popa Mountain National Park, Mandalay Division, February 3 – 6, 2016  
 Myanmar, Hkakaborazi National Park, Kachin State, October 11 – November 18, 2015  
 Myanmar, Tanintharyi Nature Reserve, Thanantharyi Region, March 14 – 30, 2015  
 Myanmar, Htamanthi Wildlife Sanctuary, Sagaing Region, October 14 – November 7, 2014  
 Myanmar, Htamanthi Wildlife Sanctuary, Sagaing Region, May 2 – 24, 2014  
 Vanuatu, Tafea Province, Tanna Island, June 1 – July 4, 2014  
 Indonesia, West Papua (Jayapura, Yapen, Manokwari, Sorong), Sulawesi, January-April, 2008  
 Lao P.D.R., Nakai Nam Theun National Biodiversity Conservation Area, April-May 2006



Gabon, Loango National Park, Ogooué-Maritime Province, April-May 2005  
Lao P.D.R., Nakai Nam Theun National Biodiversity Conservation Area, Sept-October 2005  
Lao P.D.R., Nakai Nam Theun National Biodiversity Conservation Area, February-March 2005  
China, Gaoligong Shan National Nature Reserve, Yunnan April-May 2004  
Belize, Hill Bank, Las Cuevas Research Stations, January 2002  
Nepal, Annapurna Conservation Area, June 2001  
Nepal, Sagarmatha National Park, May 1999- September 2001  
China/Tibet, Luoxu Nature Reserve, Ganzi Tibetan Autonomous Prefecture, August 1999  
Costa Rica, Santa Rosa, Monte Verde, Serro de la Muerte, Osa, December-January 1996  
Nepal, Rolwaling Himal, Dolakha & Sagarmatha National Park, Khumbu, November 1996

### TEACHING

Adjunct Assistant Professor, PhD Program in Biology, Graduate Center, City College of New York, BIOL70605 & BIOL70606, Plant Taxonomy (lecture & lab), co-taught with Fabian Michelangeli, August 28, 2024 – December 19, 2024.  
Assistant Lecturer, Yale University, Forestry and Environmental Sciences 731, Tropical Field Botany. Field trip to Costa Rica. co-taught with Fabian Michelangeli, March 10 – 20, 2023.  
Adjunct Assistant Professor, PhD Program in Biology, Graduate Center, City College of New York, BIOL70605 & BIOL70606, Plant Taxonomy (lecture & lab), co-taught with Fabian Michelangeli, August 25, 2022 – December 19, 2023.  
Lecturer, City College of New York, BIOL 79302, Current Topics in Plant Biology, October 2020.  
Ph.D. Seminar: *Documenting botanical diversity through collections-based research*. October 30, 2020.  
Co-ordinator & Lecturer, Botanical Training Workshop for Young Researchers in Myanmar. University of Mandalay & Naung Hkio, Shan State. November 7-13, 2017.  
Co-ordinator & Lecturer, Botanical Training Workshop for Young Researchers in Myanmar. University of Mandalay & Popa Mountain Park, Myanmar. February 1-6, 2016.  
Lecturer, Workshop on field botany and forestry techniques for Myanmar Forest Department rangers. Htamanthi, Myanmar, May 15, 2014  
Teaching Assistant, University of Edinburgh, Origin & Diversity of Life and Evolutionary Ecology of Plants. 2008  
Teaching Assistant, Royal Botanic Garden Edinburgh HND in Plantsmanship, Orders & Families of Flowering Plants. 2007  
Botanical Trainer, Darwin Initiative Project: *Taxonomic Training in a Neglected Biodiversity Hotspot in Lao P.D.R* Workshops on specimen collection, field and herbarium-based plant identification and basic herbarium curation techniques. 2004-2006  
Teaching Assistant, Gatsby Plants, University of Leeds, 2006  
Demonstrator, Edinburgh Science Festival, Real Life Science Events, 2004

### PROFESSIONAL SOCIETY MEMBERSHIP & PUBLIC SERVICE

Managing Editor – *Brittonia*, July 2022 – present.  
Associate Editor – *Brittonia*, August 2020 – June 2022.  
Fellow of the Linnean Society of London, 2020 – present.  
Reviewer of manuscripts and grant proposals for: *Frontiers*, *Systematic Botany*, *Nature - Scientific Reports*, *Phytotaxa*, *Journal of Biogeography*, *Candollea*, *Botanical Review*, *Willdenowia*, *Edinburgh Journal of Botany*, *Thai Forest Bulletin*, *National Geographic Society*, *National Science Foundation* (ad hoc)  
NYBG Strategic Planning, Foundational Exploration and Discovery Committee co-lead with Mike Balick, July – October 2022  
NYBG Herbarium Director Search Committee, October 2021 – March 2022.  
NYBG Peer Committee, October 2021 – February 2022.  
NYBG Strategic Planning, Collections Group member/presenter. July-November 2019  
NYBG Barnaby Award Selection Committee Member 2018

Expert Panel Member - UNESCO Scientific Research Working Group on Biodiversity in the Northern Mountain Forest Complex (Myanmar). 2016 – 2018.

### **GRADUATE STUDENT ADVISING**

Committee Member for Akshay Surendra, Ph.D. Yale University, Forestry and Environmental Sciences & New York Botanical Garden, 2019 – present. Project: *Plant-soil feedback in Dipterocarp forests of Sri Lanka: habitat association, conspecific density dependence and local adaptation.*

Committee Member for David Woodbury, Ph.D. Yale University, Forestry and Environmental Sciences & New York Botanical Garden, 2019 – present. Project: *Successional trajectories of Dipterocarp forest fragments in the human-dominated landscapes of southern Sri Lanka.*

Committee Member for Arun Dayanandan, Ph.D. Yale University, Forestry and Environmental Sciences & New York Botanical Garden, 2022 – present.

Co-advisor for Richard Moore – M.Sc. Royal Botanic Garden Edinburgh & University of Edinburgh, 2023. Project: *Floristic assembly of the Hkakaborazi-Hponganrazi hotspot in northern Myanmar. A herbarium genomic approach.*

### **POSTDOCTORAL FELLOWS & VISITING SCIENTISTS**

Nobuyuki Tanaka, Ph.D. 1/6-2/14/2020 Visiting Scientist, National Museum of Nature & Science, Tokyo

Wataru Ohnishi, Ph.D. 1/6-12/2020 Visiting Scientist, Kanagawa Prefectural Museum of Natural History

Mu Mu Aung Ph.D., 12/8-21/2019 Visiting Scientist, Forest Research Institute, Yezin, Myanmar

Thet Yu Nwe Ph.D., 9/2018 – 1/2019 Visiting Scientist, Helmsley Charitable Trust, Myanmar Program

### **RESEARCH TECHNICIANS**

Hannah Wheeler, Aug. 2024 –present, Digitization Intern for the All Asia Digitization Program (funded by the National Science Foundation), New York Botanical Garden

Tara Allen, Oct. 2023–June 2024, Digitization Intern for the All Asia Digitization Program (funded by the National Science Foundation), New York Botanical Garden

Madonna Linares, Sept. 2023–April 2024, Digitization Intern for the All Asia Digitization Program (funded by the National Science Foundation), New York Botanical Garden

Isabel Yang, Jun.–Aug. 2023, Taft Summer Intern, on the project: *Testing the utility of leaf reflectance for species identification*

Amy Sahud, Dec. 2022–Jul. 2023, Digitization Intern for the All Asia Digitization Program (funded by the National Science Foundation), New York Botanical Garden

Julia Lee Gosser, Dec. 2022–Aug. 2023, Digitization Intern for the All Asia Digitization Program (funded by the National Science Foundation), New York Botanical Garden

Amelia Fuller, Jul. 2022–Jan. 2023, Digitization Intern for the All Asia Digitization Program (funded by the National Science Foundation), New York Botanical Garden

Han Wang, Aug. 2022–Aug. 2024, Lead Digitizer for the All Asia Digitization Project (funded by the National Science Foundation), New York Botanical Garden

Han Wang, Jun.–Aug. 2022, Digitization Intern for the All Asia Digitization Program (funded by the National Science Foundation), New York Botanical Garden

Ian Handler, Oct. 2021–Jul. 2022, Lead Digitizer for the All Asia Digitization Project (funded by the National Science Foundation), New York Botanical Garden

Sergio Guzman Beltran, Oct. 2021–Sept. 2022, Digitization Intern for the All Asia Digitization Program (funded by the National Science Foundation), New York Botanical Garden

Ian Handler, Jun.–Sept. 2021, Curatorial Assistant for the Myanmar Program (funded by the National Science Foundation), New York Botanical Garden

Samantha DiMarco, Jun.–Sept. 2021, Curatorial Assistant for the Myanmar Program (funded by the National Science Foundation), New York Botanical Garden

Megan Shannon, Jun.–Sept. 2021, Curatorial Assistant for the Myanmar Program (funded by the National Science Foundation), New York Botanical Garden  
Thet Yu Nwe, 2016–2022, In-country coordinator for the Myanmar Program (funded by the Helmsley Charitable Trust), New York Botanical Garden  
Lance Jones, 2016–2019, Curatorial Assistant for the Myanmar Program (funded by the Helmsley Charitable Trust), New York Botanical Garden